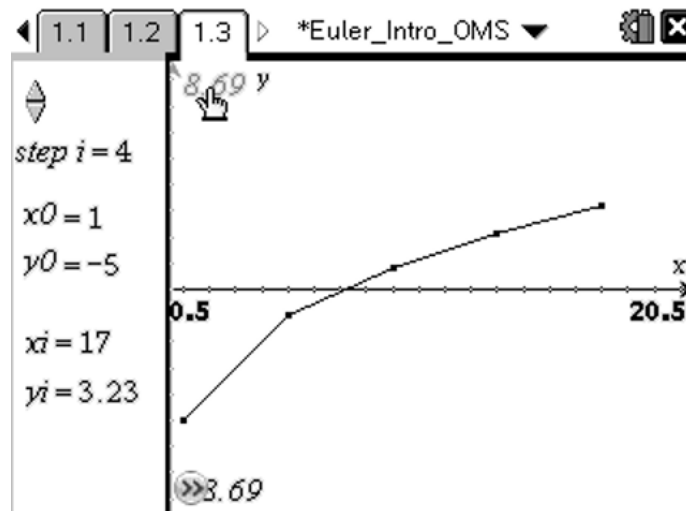


6.1b Euler's method

$$y_{n+1} = y_n + \frac{dy}{dx} * \Delta x$$



Nov 29-7:39 PM

$$dy/dx = x + y, \quad f(2)=0$$

Use Euler's method with steps of 0.2 to approximate $f(3)$

Nov 29-8:53 PM

$dy/dx = 2x - y$, $y=3$ when $x=2$

Use Euler's method with five equal steps to approximate y when $x = 1.5$

Nov 29-9:02 PM